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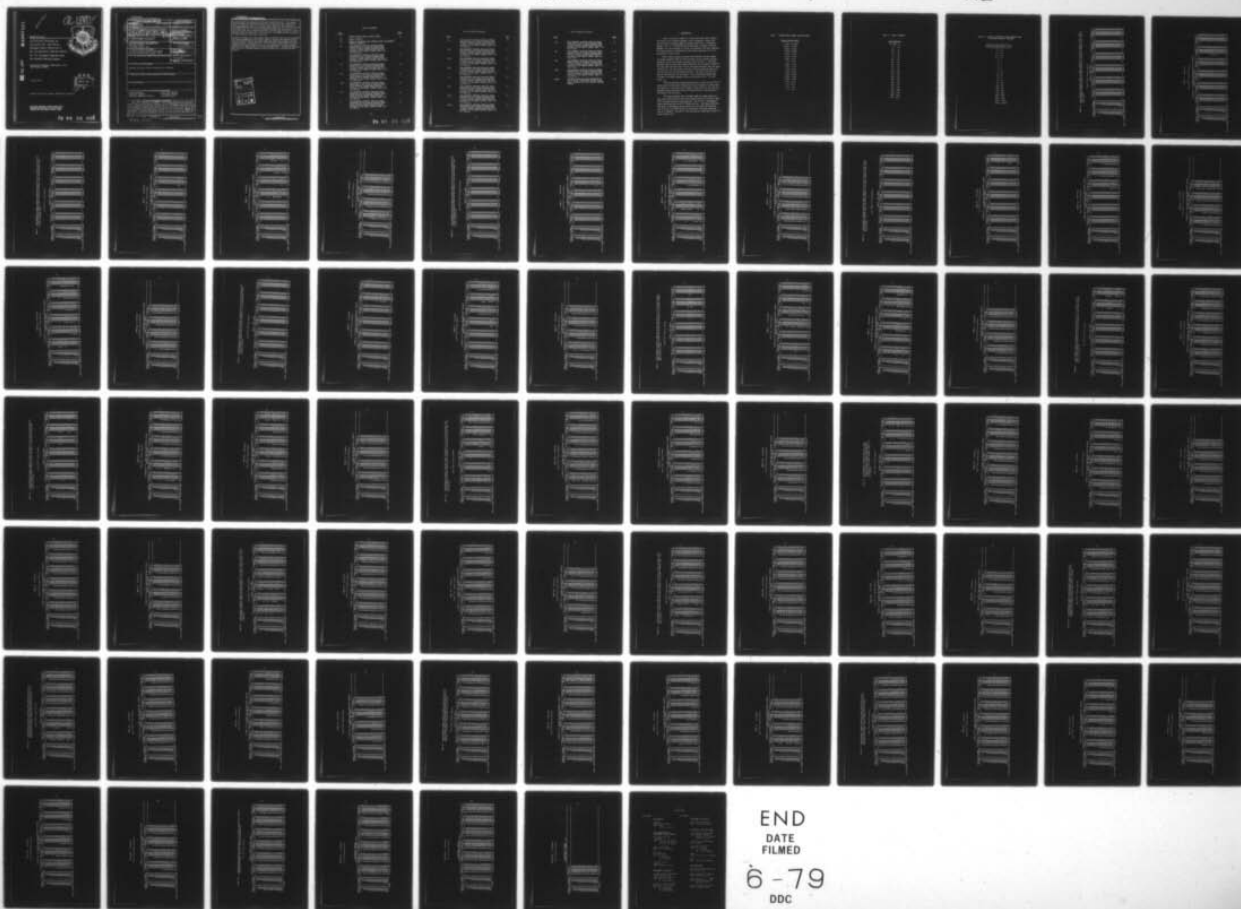
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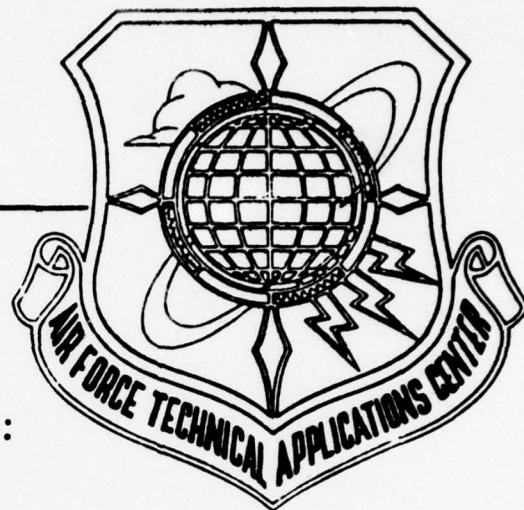
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CALCULATIONAL PROCEDURE FOR  
EVALUATING TIME- AND SPATIAL-  
DEPENDENT ENERGY DEPOSITION IN  
AIR FOR ANISOTROPIC NUCLEAR SOURCES:  
VOL. IV, SECONDARY GAMMA-RAY DATA  
FOR ISOTROPIC NEUTRON SOURCES



Radiation Research Associates, Inc.  
Fort Worth, Texas

2 April 1979



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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report describes the RENDER calculational procedure that was developed for use in evaluating the spatial- and time-dependent energy deposition in air produced by anisotropic nuclear sources. The RENDER procedure utilizes nuclear energy deposition data generated for conical sources that were originally computed for line-beam sources through use of the ZAP, ZAPN, ZAPGAM and DEPO codes. The energy deposition data for air that are input to RENDER were generated for neutron and gamma-ray sources and for secondary gamma rays re-		

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sulting from neutron capture and inelastic scattering in air. The energy deposition data for line-beam sources and for point isotropic sources were found to compare favorably with similar data reported in the literature. The RENDER procedure was run utilizing energy deposition data from the conical source-data base for a 9-to-10-MeV gamma-ray source and the results of the convolution over source emission direction and time were found to be in good agreement with the input data, indicating that the RENDER procedure performs the time-and-angle convolution correctly.

Volumes II through IV of this report present tabulated data on the time dependent energy deposition in air versus range for neutron and gamma-ray point isotropic sources and for secondary gamma rays generated by point isotropic neutron sources. Also given in Vol. V are curve fit coefficients for use in computing the energy deposition in air versus distance and source emission angle for line beam sources of neutrons and gamma rays. Coefficient data are also given for secondary gamma-ray energy deposition by line beam neutron sources.

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## I. INTRODUCTION

This is the fourth volume of a five-volume report which presents the results of an extensive parameter study on gamma-ray, neutron and neutron-produced secondary gamma ray energy deposition in a homogeneous medium of air ( $\rho = 1.225 \times 10^{-3} \text{ g/cm}^3$ ) and describes a computer procedure (RENDER) which was developed to utilize the parametric data when computing the time and spatial distributions of the energy deposition in air for anisotropic nuclear sources.

This volume presents calculated time dependent secondary gamma-ray energy deposition data for point isotropic neutron sources emitting radiation in the source energy intervals listed in Table I. The radial intervals used in storing the energy deposition data are given in Table II. The delay time intervals used to store the energy deposition data are given in Table III. The delay time is the time of energy deposition minus the time of arrival of the uncollided radiation. All source neutrons were emitted instantaneously by the source. The calculational methods used to compute the energy deposition data are described in Vol. I of this report.

The time dependent energy deposition data in units of  $\text{keV m}^{-3} \text{ sec}^{-1}$ /source neutron versus radial distance are given in Tables IV through XXII. The numbers at the bottom of each column in these tables is the total time dependent energy deposition ( $\text{keV sec}^{-1}$ /source neutron) occurring within 1500 meters from the source.

The time-integrated total secondary gamma-ray energy deposition data versus radial distance and source-energy interval are listed in Table XXIII for point-isotropic neutron sources. The units for the gamma-ray energy deposition data are  $\text{keV m}^{-3}$ /source neutron. The energy deposition data given in Table XXIII can be converted to air kerma rate (exposure rate in air ( $\rho = 1.225 \times 10^{-3} \text{ g/cm}^3$ )) by multiplying the energy deposition data by  $4.708 \times 10^{11}$ . The units of the resulting air kerma rate is  $\text{rad hr}^{-1}$ /source neutron  $\text{sec}^{-1}$ .

TABLE I. NEUTRON SOURCE ENERGY INTERVAL BOUNDS

Energy Interval (MeV)

0.001 - 0.00335

0.00335 - 0.0912

0.0912 - 0.0248

0.0248 - 0.0676

0.0676 - 0.184

0.184 - 0.303

0.303 - 0.50

0.50 - 0.823

0.823 - 1.353

1.353 - 1.738

1.738 - 2.232

2.232 - 2.865

2.865 - 3.680

3.680 - 6.070

6.070 - 7.790

7.790 - 10.0

10.0 - 12.0

12.0 - 13.5

13.5 - 15.0

TABLE II. RADIAL INTERVALS

<u>Radial Interval</u> <u>(m)</u>
0 - 10
10 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 125
125 - 150
150 - 175
175 - 200
200 - 250
250 - 300
300 - 350
350 - 400
400 - 450
450 - 500
500 - 600
600 - 800
800 - 1000
1000 - 1200
1200 - 1500

TABLE III. BOUNDS OF DEPOSITION TIME INTERVALS USED  
IN SECONDARY GAMMA-RAY PROBLEMS

---

DEPOSITION TIME INTERVAL ( $\mu\text{sec}$ )

---

0 - 0.2  
0.2 - 0.3  
0.3 - 0.5  
0.5 - 1.0  
1 - 2  
2 - 3  
3 - 5  
5 - 7  
7 - 10  
10 - 20  
20 - 35  
35 - 50  
50 - 70  
70 - 100  
100 - 200  
200 - 400  
400 - 700  
700 - 1000  
1000 - 2000  
2000 - 3500  
3500 - 15000  
15000 - 100,000

$(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ [illegible]

TABLE IV. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE IV. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

1.000E-03 TO 3.350E-03 MEV SECONDARY GAMMAS									
RADIAL DISTANCE INTERVAL (METERS)		5.00E-05 - 7.00E-05		1.00E-05 - 1.00E-04		2.00E-04 - 4.00E-04		7.00E-04 - 1.00E-03	
0	0	00000000	00	00000000	00	00000000	00	00000000	00
10	0	00000000	00	00000000	00	00000000	00	00000000	00
20	0	00000000	00	00000000	00	00000000	00	00000000	00
40	0	00000000	00	00000000	00	00000000	00	00000000	00
60	0	00000000	00	00000000	00	00000000	00	00000000	00
80	0	00000000	00	00000000	00	00000000	00	00000000	00
100	0	00000000	00	00000000	00	00000000	00	00000000	00
125	0	00000000	00	00000000	00	00000000	00	00000000	00
150	0	00000000	00	00000000	00	00000000	00	00000000	00
175	0	00000000	00	00000000	00	00000000	00	00000000	00
200	0	00000000	00	00000000	00	00000000	00	00000000	00
250	0	00000000	00	00000000	00	00000000	00	00000000	00
300	0	00000000	00	00000000	00	00000000	00	00000000	00
350	0	00000000	00	00000000	00	00000000	00	00000000	00
400	0	00000000	00	00000000	00	00000000	00	00000000	00
450	0	00000000	00	00000000	00	00000000	00	00000000	00
500	0	00000000	00	00000000	00	00000000	00	00000000	00
600	0	00000000	00	00000000	00	00000000	00	00000000	00
800	0	00000000	00	00000000	00	00000000	00	00000000	00
1000	0	00000000	00	00000000	00	00000000	00	00000000	00
1200	0	00000000	00	00000000	00	00000000	00	00000000	00
1500	0	00000000	00	00000000	00	00000000	00	00000000	00
TOTAL ENERGY DEPOSITION/SEC		0.000E 00	0.000E 00	0.000E 00	0.000E 00	2.177E 03	8.868E 03	4.507E 03	0.000E 00

TABLE IV. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup> / source neutron)

1.000E-03 TO 3.350E-03 MEV SECONDARY GAMMAS																	
		1.00E-03 - 2.00E-03				2.00E-03 - 3.50E-03				3.50E-03 - 1.50E-02				1.50E-02 - 1.00E-01			
		DELAY TIME (SEC)				DELAY TIME (SEC)				DELAY TIME (SEC)				DELAY TIME (SEC)			
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
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		1.00E-03				2.00E-03				3.50E-03				1.50E-02		1.00E-01	
		1.00E-03				2.00E-03				3.50E-03				1			

$(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE V. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE V. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

3.350E-03 TO 9.120E-03 MEV SECONDARY GAMMAS											
		DELAY TIME (SEC)									
		5.00E-05 - 7.00E-05		1.00E-04 - 2.00E-04		2.00E-04 - 4.00E-04		4.00E-04 - 7.00E-04		7.00E-04 - 1.00E-03	
RADIAL DISTANCE		7.00E-05 - 1.00E-05		1.00E-04 - 2.00E-04		2.00E-04 - 4.00E-04		4.00E-04 - 7.00E-04		7.00E-04 - 1.00E-03	
INTERVAL (METERS)		1.00E-05 - 1.00E-06		2.00E-04 - 2.00E-05		4.00E-04 - 4.00E-05		7.00E-04 - 7.00E-05		1.00E-03 - 1.00E-04	
0	0	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
10	10	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
20	20	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
40	40	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
60	60	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
80	80	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
100	100	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
125	125	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
150	150	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
175	175	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
200	200	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
250	250	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
300	300	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
350	350	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
400	400	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
450	450	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
500	500	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
600	600	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
800	800	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
1000	1000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
1200	1200	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
TOTAL ENERGY DEPOSITION/SEC		.000E 00		.000E 00		.000E 00		.000E 00		.000E 00	

TABLE V. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE VI.  
TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM  
A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM  
0.00912 TO 0.0248 Mev

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{keV of source energy})$ [illegible]

(Continued)

9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS							
	DELAY TIME (SEC)						
RADIAL DISTANCE INTERVAL (METERS)	3.00E-06	5.00E-06	7.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05
0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0
225	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0
275	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0
325	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0
375	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0
425	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0
475	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	.000E 00	.000E 00	.000E 00	.000E 00	4.381E 04	.000E 00	.000E 00

TABLE VI. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS												
		DELAY TIME (SEC)										
RADIAL DISTANCE		5.00E-05	7.00E-05	1.00E-04	1.00E-04	2.00E-04	2.00E-04	4.00E-04	4.00E-04	7.00E-04	7.00E-04	1.00E-03
INTERVAL (METERS)		7.00E-05	1.00E-05	1.00E-04	2.00E-04	4.00E-04	4.00E-04	7.00E-04	7.00E-04	1.00E-03	1.00E-03	1.00E-03
0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		6.529E-04	4.402E-04	0.000E-00	0.000E-00	6.654E-03	1.494E-03	4.631E-03	4.631E-03	4.631E-03	4.631E-03	4.631E-03

TABLE VI. (Continued)

. (keV m<sup>-3</sup> sec<sup>-1</sup> / source neutron)

## 9.120E-03 TO 2.480E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)					
	1.00E-03	2.00E-03	3.50E-03	1.50E-02	1.00E-02	1.50E-02
0	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
20	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
40	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
60	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
80	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
100	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
125	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
150	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
175	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
200	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
250	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
300	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
350	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
400	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
450	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
500	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
600	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
800	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
1000	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
1200	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
1500	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL ENERGY DEPOSITION/SEC	5.965E 03	5.112E 03	6.087E 03	3.053E 03	3.053E 03	3.053E 03

$(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ [illegible]

TABLE VII. (Continued)  
 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$

2.480E-02 TO 6.760E-02 MEV SECONDARY GAMMAS													
		DELAY TIME (SEC)											
		3.00E-06 - 5.00E-06		5.00E-06 - 7.00E-06		7.00E-06 - 1.00E-05		1.00E-05 - 2.00E-05		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
RADIAL DISTANCE INTERVAL (METERS)		3.00E-06 - 5.00E-06		5.00E-06 - 7.00E-06		7.00E-06 - 1.00E-05		1.00E-05 - 2.00E-05		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
0	10.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
10	20.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
20	40.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
40	60.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
60	80.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
80	100.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
100	125.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
125	150.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
150	175.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
175	200.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
200	250.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
250	300.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
300	350.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
350	400.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
400	450.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
450	500.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
500	600.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
600	800.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
800	1000.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
1000	1200.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
1200	1500.0	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000	000000
TOTAL ENERGY DEPOSITION/SEC		.000E 00		.000E 00		.000E 00		.000E 00		.000E 00		2.677E 04	
												5	
												1.16	
												-0.06	
												-0.06	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	
												0.00	

[illegible]

TABLE VII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 2.480E-02 TO 6.760E-02 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)					
	1.00E-03	2.00E-03	3.50E-03	3.50E-03	1.50E-02	1.50E-02
0	0	0	0	0	0	0
10	0	0	0	0	0	0
20	0	0	0	0	0	0
40	0	0	0	0	0	0
60	0	0	0	0	0	0
80	0	0	0	0	0	0
100	0	0	0	0	0	0
125	0	0	0	0	0	0
150	0	0	0	0	0	0
175	0	0	0	0	0	0
200	0	0	0	0	0	0
250	0	0	0	0	0	0
300	0	0	0	0	0	0
350	0	0	0	0	0	0
400	0	0	0	0	0	0
450	0	0	0	0	0	0
500	0	0	0	0	0	0
600	0	0	0	0	0	0
800	0	0	0	0	0	0
1000	0	0	0	0	0	0
1200	0	0	0	0	0	0
1500	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	5.415E 03	5.999E 03	6.549E 03	6.549E 03	3.024E 03	3.024E 03

$(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE VIII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

[illegible]





$(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE IX. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS													
		DELAY TIME (SEC)											
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
RADIAL DISTANCE		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
INTERVAL (METERS)		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
0	0	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
10	10	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
20	20	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
40	40	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
60	60	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
80	80	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
100	100	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
125	125	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
150	150	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
175	175	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
200	200	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
250	250	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
300	300	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
350	350	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
400	400	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
450	450	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
500	500	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
600	600	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
800	800	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
1000	1000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
1200	1200	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
1500	1500	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
TOTAL ENERGY DEPOSITION/SEC		0.00E 00	0.00E 00	0.00E 00	0.00E 00	0.00E 00	0.00E 00	0.00E 00	0.00E 00	2.43E 03	3.50E 03	5.00E 03	0.00E 00

1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS															
		DELAY TIME (SEC)													
		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
RADIAL DISTANCE		7.00E-05		1.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
INTERVAL (METERS)		7.00E-05		1.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
10.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
20.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
40.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
60.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
80.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
100.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
125.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
150.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
175.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
200.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
250.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
300.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
350.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
400.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
450.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
500.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
600.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
800.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1000.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1200.00	0.00	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
TOTAL ENERGY DEPOSITION/SEC		0.00E 00	0.00E 00	0.00E 00	0.00E 00	2.42E 03	7.34E 03	1.291E 04	7.34E 03	5.959E 03	0.00E 03	0.00E 04	1.00E 03	0.00E 04	0.00E 03

TABLE IX. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 1.840E-01 TO 3.030E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)			
	1.00E-03	2.00E-03	3.50E-03	1.50E-02
0	000E-00	000E-00	000E-00	000E-00
10	000E-00	000E-00	000E-00	000E-00
20	000E-00	000E-00	000E-00	000E-00
40	000E-00	000E-00	000E-00	000E-00
60	000E-00	000E-00	000E-00	000E-00
80	000E-00	000E-00	000E-00	000E-00
100	000E-00	000E-00	000E-00	000E-00
125	000E-00	000E-00	000E-00	000E-00
150	000E-00	000E-00	000E-00	000E-00
175	000E-00	000E-00	000E-00	000E-00
200	000E-00	000E-00	000E-00	000E-00
250	000E-00	000E-00	000E-00	000E-00
300	000E-00	000E-00	000E-00	000E-00
350	000E-00	000E-00	000E-00	000E-00
400	000E-00	000E-00	000E-00	000E-00
450	000E-00	000E-00	000E-00	000E-00
500	000E-00	000E-00	000E-00	000E-00
600	000E-00	000E-00	000E-00	000E-00
800	000E-00	000E-00	000E-00	000E-00
1000	000E-00	000E-00	000E-00	000E-00
1200	000E-00	000E-00	000E-00	000E-00
1500	000E-00	000E-00	000E-00	000E-00
TOTAL ENERGY DEPOSITION/SEC	8.013E 03	6.467E 03	6.442E 03	2.820E 03

TABLE X. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.303 TO 0.50 Mev

 $(\text{kev m}^{-3} \text{sec}^{-1} / \text{source neutron})$ [illegible]

TABLE X. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

3.030E-01 TO 5.000E-01 MEV SECONDARY GAMMAS											
RADIAL DISTANCE		3.00E-06 - 5.00E-06		7.00E-06 - 1.00E-05		1.00E-05 - 2.00E-05		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
INTERVAL (METERS)		3.00E-06 - 5.00E-06		7.00E-06 - 1.00E-05		1.00E-05 - 2.00E-05		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
0.0	10.0	000000	00	000000	00	000000	00	000000	00	000000	00
10.0	20.0	000000	00	000000	00	000000	00	000000	00	000000	00
20.0	40.0	000000	00	000000	00	000000	00	000000	00	000000	00
40.0	60.0	000000	00	000000	00	000000	00	000000	00	000000	00
60.0	80.0	000000	00	000000	00	000000	00	000000	00	000000	00
80.0	100.0	000000	00	000000	00	000000	00	000000	00	000000	00
100.0	120.0	000000	00	000000	00	000000	00	000000	00	000000	00
120.0	140.0	000000	00	000000	00	000000	00	000000	00	000000	00
140.0	160.0	000000	00	000000	00	000000	00	000000	00	000000	00
160.0	180.0	000000	00	000000	00	000000	00	000000	00	000000	00
180.0	200.0	000000	00	000000	00	000000	00	000000	00	000000	00
200.0	220.0	000000	00	000000	00	000000	00	000000	00	000000	00
220.0	240.0	000000	00	000000	00	000000	00	000000	00	000000	00
240.0	260.0	000000	00	000000	00	000000	00	000000	00	000000	00
260.0	280.0	000000	00	000000	00	000000	00	000000	00	000000	00
280.0	300.0	000000	00	000000	00	000000	00	000000	00	000000	00
300.0	320.0	000000	00	000000	00	000000	00	000000	00	000000	00
320.0	340.0	000000	00	000000	00	000000	00	000000	00	000000	00
340.0	360.0	000000	00	000000	00	000000	00	000000	00	000000	00
360.0	380.0	000000	00	000000	00	000000	00	000000	00	000000	00
380.0	400.0	000000	00	000000	00	000000	00	000000	00	000000	00
400.0	420.0	000000	00	000000	00	000000	00	000000	00	000000	00
420.0	440.0	000000	00	000000	00	000000	00	000000	00	000000	00
440.0	460.0	000000	00	000000	00	000000	00	000000	00	000000	00
460.0	480.0	000000	00	000000	00	000000	00	000000	00	000000	00
480.0	500.0	000000	00	000000	00	000000	00	000000	00	000000	00
500.0	520.0	000000	00	000000	00	000000	00	000000	00	000000	00
520.0	540.0	000000	00	000000	00	000000	00	000000	00	000000	00
540.0	560.0	000000	00	000000	00	000000	00	000000	00	000000	00
560.0	580.0	000000	00	000000	00	000000	00	000000	00	000000	00
580.0	600.0	000000	00	000000	00	000000	00	000000	00	000000	00
600.0	620.0	000000	00	000000	00	000000	00	000000	00	000000	00
620.0	640.0	000000	00	000000	00	000000	00	000000	00	000000	00
640.0	660.0	000000	00	000000	00	000000	00	000000	00	000000	00
660.0	680.0	000000	00	000000	00	000000	00	000000	00	000000	00
680.0	700.0	000000	00	000000	00	000000	00	000000	00	000000	00
700.0	720.0	000000	00	000000	00	000000	00	000000	00	000000	00
720.0	740.0	000000	00	000000	00	000000	00	000000	00	000000	00
740.0	760.0	000000	00	000000	00	000000	00	000000	00	000000	00
760.0	780.0	000000	00	000000	00	000000	00	000000	00	000000	00
780.0	800.0	000000	00	000000	00	000000	00	000000	00	000000	00
800.0	820.0	000000	00	000000	00	000000	00	000000	00	000000	00
820.0	840.0	000000	00	000000	00	000000	00	000000	00	000000	00
840.0	860.0	000000	00	000000	00	000000	00	000000	00	000000	00
860.0	880.0	000000	00	000000	00	000000	00	000000	00	000000	00
880.0	900.0	000000	00	000000	00	000000	00	000000	00	000000	00
900.0	920.0	000000	00	000000	00	000000	00	000000	00	000000	00
920.0	940.0	000000	00	000000	00	000000	00	000000	00	000000	00
940.0	960.0	000000	00	000000	00	000000	00	000000	00	000000	00
960.0	980.0	000000	00	000000	00	000000	00	000000	00	000000	00
980.0	1000.0	000000	00	000000	00	000000	00	000000	00	000000	00
1000.0	1200.0	000000	00	000000	00	000000	00	000000	00	000000	00
1200.0	1500.0	000000	00	000000	00	000000	00	000000	00	000000	00
TOTAL ENERGY DEPOSITION/SEC		1.694E 02		4.723E 04		4.152E 03		2.434E 03		1.610E 04	



$(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ 

3. 030E-01 TO 5. 000E-01 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		1. 00E-03		2. 00E-03		3. 50E-03		5. 00E-03	
INTERVAL (METERS)		2. 00E-03		3. 50E-03		5. 00E-03		7. 182E-03	
0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0
225	225	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0
275	275	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0
325	325	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0
375	375	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0
425	425	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0
475	475	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0
525	525	0	0	0	0	0	0	0	0
550	550	0	0	0	0	0	0	0	0
575	575	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0
625	625	0	0	0	0	0	0	0	0
650	650	0	0	0	0	0	0	0	0
675	675	0	0	0	0	0	0	0	0
700	700	0	0	0	0	0	0	0	0
725	725	0	0	0	0	0	0	0	0
750	750	0	0	0	0	0	0	0	0
775	775	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0
825	825	0	0	0	0	0	0	0	0
850	850	0	0	0	0	0	0	0	0
875	875	0	0	0	0	0	0	0	0
900	900	0	0	0	0	0	0	0	0
925	925	0	0	0	0	0	0	0	0
950	950	0	0	0	0	0	0	0	0
975	975	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0
1025	1025	0	0	0	0	0	0	0	0
1050	1050	0	0	0	0	0	0	0	0
1075	1075	0	0	0	0	0	0	0	0
1100	1100	0	0	0	0	0	0	0	0
1125	1125	0	0	0	0	0	0	0	0

$(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE XI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS									
RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)								
	3.00E-06	5.00E-06	7.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05	3.50E-05	5.00E-05
0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC									
	1.120E 04	1.120E 04	1.952E 04	1.515E 04	2.866E 04	1.649E 04	8.949E 03	8.949E 03	8.949E 03

TABLE XI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS											
	5.00E-05 - 7.00E-05			7.00E-05 - 1.00E-04			1.00E-04 - 2.00E-04			2.00E-04 - 4.00E-04		
0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	8.719E 03	2.342E 03	5.916E 03	8.027E 03	4.263E 03	7.155E 03	1.504E 03	1.504E 03	1.504E 03	1.504E 03	1.504E 03	1.504E 03

TABLE XI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 5.000E-01 TO 8.230E-01 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)					
	1.00E-03	2.00E-03	3.50E-03	1.50E-02	1.50E-02	1.00E-01
0	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
10	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
20	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
40	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
60	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
80	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
100	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
125	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
150	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
175	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
200	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
250	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
300	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
350	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
400	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
450	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
500	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
600	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
800	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
1000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
1200	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
TOTAL ENERGY DEPOSITION/SEC	4.138E 03	5.598E 03	5.345E 03	2.918E 03	2.918E 03	2.918E 03

TABLE XII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.823 TO 1.353 MeV

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)											
	0.0E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06	3.00E-06 - 4.00E-06	4.00E-06 - 5.00E-06	5.00E-06 - 6.00E-06	6.00E-06 - 7.00E-06	7.00E-06 - 8.00E-06	8.00E-06 - 9.00E-06
0.0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	2.707E 04	.000E 00	.000E 00	1.653E 02	1.064E 02	2.832E 01	1.079E 02	2.832E 01	1.079E 02	2.832E 01	1.079E 02	2.832E 01

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS													
		DELAY TIME (SEC)											
		3.00E-06		5.00E-06		7.00E-06		1.00E-06		2.00E-05		3.50E-05	
RADIAL DISTANCE		5.00E-06		7.00E-06		1.00E-06		2.00E-05		3.50E-05		5.00E-05	
INTERVAL (METERS)		5.00E-06		7.00E-06		1.00E-06		2.00E-05		3.50E-05		5.00E-05	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0	0	0
225	225	0	0	0	0	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0	0	0
325	325	0	0	0	0	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		9.230E	03	5.869E	03	6.867E	03	1.267E	04	1.592E	04	1.696E	04

TABLE XII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup> / source neutron

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS									
RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)								
	5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	4.00E-03	7.00E-03
0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	1.160E 04	1.311E 04	1.288E 04	9.334E 03	5.371E 03	4.004E 03	5.371E 03	5.371E 03	5.371E 03

TABLE XII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup> / source neutron

8.230E-01 TO 1.353E 00 MEV SECONDARY GAMMAS									
RADIAL DISTANCE INTERVAL (METERS)	1.00E-03 - 2.00E-03			2.00E-03 - 3.50E-03			3.50E-03 - 1.50E-02		
	1.00E-03	2.00E-03	3.50E-03	1.00E-03	2.00E-03	3.50E-03	1.00E-03	2.00E-03	3.50E-03
0 - 10:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10:0 - 20:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20:0 - 40:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
40:0 - 60:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
60:0 - 80:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
80:0 - 100:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100:0 - 125:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125:0 - 150:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
150:0 - 175:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
175:0 - 200:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
200:0 - 225:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
225:0 - 250:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
250:0 - 300:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
300:0 - 350:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
350:0 - 400:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
400:0 - 450:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
450:0 - 500:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
500:0 - 600:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
600:0 - 800:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
800:0 - 1000:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000:0 - 1200:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200:0 - 1500:0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1500:0 - 1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL ENERGY DEPOSITION/SEC	6.116E 03	4.174E 03	6.094E 03	2.643E 03	2.643E 03	2.643E 03	2.643E 03	2.643E 03	2.643E 03

TABLE XIII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.353 TO 1.738 Mev

		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)											
		DELAY TIME (SEC)											
RADIAL DISTANCE INTERVAL (METERS)		0.0E-07 - 2.00E-07			3.00E-07 - 5.00E-07			1.00E-06 - 2.00E-06			3.00E-06 - 5.00E-06		
		0.00E-00	10.00E-00	20.00E-00	0.00E-00	10.00E-00	20.00E-00	0.00E-00	10.00E-00	20.00E-00	0.00E-00	10.00E-00	20.00E-00
0.00 - 10.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
10.00 - 20.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
20.00 - 40.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
40.00 - 60.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
60.00 - 80.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
80.00 - 100.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
100.00 - 125.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
125.00 - 150.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
150.00 - 175.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
175.00 - 200.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
200.00 - 225.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
225.00 - 250.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
250.00 - 300.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
300.00 - 350.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
350.00 - 400.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
400.00 - 450.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
450.00 - 500.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
500.00 - 600.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
600.00 - 800.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
800.00 - 1000.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1000.00 - 1200.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1200.00 - 1500.00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
TOTAL ENERGY DEPOSITION/SEC		2.778E 04	2.445E 02	2.844E 04	3.373E 04	1.713E 04	3.345E 04	1.713E 04	3.345E 04	1.713E 04	3.345E 04	1.713E 04	3.345E 04

TABLE XIII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup> / source neutron)

1.353E 00 TO 1.738E 00 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		DELAY TIME (SEC)		1.00E-05		2.00E-05		3.50E-05	
INTERVAL (METERS)		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
0	0	000E-06	00	000E-06	00	000E-06	00	000E-06	00
10	10	000E-06	00	000E-06	00	000E-06	00	000E-06	00
20	20	000E-06	00	000E-06	00	000E-06	00	000E-06	00
40	40	000E-06	00	000E-06	00	000E-06	00	000E-06	00
60	60	000E-06	00	000E-06	00	000E-06	00	000E-06	00
80	80	000E-06	00	000E-06	00	000E-06	00	000E-06	00
100	100	000E-06	00	000E-06	00	000E-06	00	000E-06	00
125	125	000E-06	00	000E-06	00	000E-06	00	000E-06	00
150	150	000E-06	00	000E-06	00	000E-06	00	000E-06	00
175	175	000E-06	00	000E-06	00	000E-06	00	000E-06	00
200	200	000E-06	00	000E-06	00	000E-06	00	000E-06	00
250	250	000E-06	00	000E-06	00	000E-06	00	000E-06	00
300	300	000E-06	00	000E-06	00	000E-06	00	000E-06	00
350	350	000E-06	00	000E-06	00	000E-06	00	000E-06	00
400	400	000E-06	00	000E-06	00	000E-06	00	000E-06	00
450	450	000E-06	00	000E-06	00	000E-06	00	000E-06	00
500	500	000E-06	00	000E-06	00	000E-06	00	000E-06	00
600	600	000E-06	00	000E-06	00	000E-06	00	000E-06	00
800	800	000E-06	00	000E-06	00	000E-06	00	000E-06	00
1000	1000	000E-06	00	000E-06	00	000E-06	00	000E-06	00
1200	1200	000E-06	00	000E-06	00	000E-06	00	000E-06	00
TOTAL ENERGY DEPOSITION/SEC		1.663E 04		2.780E 04		9.404E 03		1.631E 04	

TABLE XIII. (Continued)

[illegible]

TABLE XIII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

1.353E 00 TO 1.738E 00 MEV SECONDARY GAMMAS		1.738E 00 TO 2.290E 03		2.290E 03 TO 5.559E 03		5.559E 03 TO 7.151E 03		7.151E 03 TO 1.00E-01	
RADIAL DISTANCE		DELAY TIME (SEC)		1.50E-02		1.50E-02		1.50E-02	
INTERVAL (METERS)		1.00E-03		2.00E-03		3.50E-03		1.00E-01	
0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		5.676E 03		7.151E 03		5.559E 03		2.290E 03	

TABLE XIV. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.738 TO 2.232 Mev

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)									
	0.0E-00	2.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	4.00E-06	5.00E-06	6.00E-06
0.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
10.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
20.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
40.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
60.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
80.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
100.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
125.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
150.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
175.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
200.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
250.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
300.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
350.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
400.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
450.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
500.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
600.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
800.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1000.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1200.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1500.0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
TOTAL ENERGY DEPOSITION/SEC	2.572E 04	1.159E 04	2.966E 04	3.678E 04	1.587E 04	2.456E 04	2.456E 04	2.456E 04	2.456E 04	2.456E 04

$(\text{keV m}^{-3} \text{sec}^{-1})/\text{source neutron}$ 

1.738E 00 TO 2.232E 00 MEV SECONDARY GAMMAS											
RADIAL DISTANCE		DELAY TIME (SEC)									
INTERVAL (METERS)		3.00E-06	5.00E-06	7.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05	1.00E-04	1.280E-04	1.747E-04
0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0
120	120	0	0	0	0	0	0	0	0	0	0
140	140	0	0	0	0	0	0	0	0	0	0
160	160	0	0	0	0	0	0	0	0	0	0
180	180	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0
220	220	0	0	0	0	0	0	0	0	0	0
240	240	0	0	0	0	0	0	0	0	0	0
260	260	0	0	0	0	0	0	0	0	0	0
280	280	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0
320	320	0	0	0	0	0	0	0	0	0	0
340	340	0	0	0	0	0	0	0	0	0	0
360	360	0	0	0	0	0	0	0	0	0	0
380	380	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0
420	420	0	0	0	0	0	0	0	0	0	0
440	440	0	0	0	0	0	0	0	0	0	0
460	460	0	0	0	0	0	0	0	0	0	0
480	480	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0
520	520	0	0	0	0	0	0	0	0	0	0
540	540	0	0	0	0	0	0	0	0	0	0
560	560	0	0	0	0	0	0	0	0	0	0
580	580	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		4.001E-04	2.509E-04	3.511E-04	2.190E-04	1.280E-04	1.747E-04	1.747E-04	1.747E-04	1.747E-04	1.747E-04

TABLE XIV. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE XIV. (Continued)

		1.738E 00 TO 2.232E 00 MEV SECONDARY GAMMAS			
		DELAY TIME (SEC)			
		1.00E-03	2.00E-03	3.50E-03	1.50E-02
		1.00E-03	2.00E-03	3.50E-03	1.00E-01
RADIAL DISTANCE INTERVAL (METERS)	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	60	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	80	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	100	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	125	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	150	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	175	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	200	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	250	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	300	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	350	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	400	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	450	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	500	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	600	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	800	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1000	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1200	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	1500	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL ENERGY DEPOSITION/SEC		4.461E 03	5.858E 03	4.622E 03	2.189E 03

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

TABLE XV. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 2.232 TO 2.865 MeV

		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)									
		DELAY TIME (SEC)									
RADIAL DISTANCE INTERVAL (METERS)		0.0E-00 - 2.00E-07		3.00E-07		5.00E-07		1.00E-06		2.00E-06	
		0.0E-00	2.00E-07	3.00E-07	5.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	0.0E-06
0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	40	6.835E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	80	4.493E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	100	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	125	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	150	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	175	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	250	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	300	1.169E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	350	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	400	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	450	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	500	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	600	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	800	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	1000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	1200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL ENERGY DEPOSITION/SEC		1.557E 05	1.656E 05	2.039E 05	1.410E 05	1.157E 05	1.229E 05	1.157E 05	1.229E 05	1.229E 05	1.229E 05

TABLE XV. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

2.232E 00 TO 2.865E 00 MEV SECONDARY GAMMAS															
		DELAY TIME (SEC)													
		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
RADIAL DISTANCE		7.00E-05		1.00E-04		2.00E-04		5.00E-04		1.00E-03		2.00E-03		5.00E-03	
INTERVAL (METERS)		7.00E-05		1.00E-04		2.00E-04		5.00E-04		1.00E-03		2.00E-03		5.00E-03	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		1.078E	04	1.415E	04	3.875E	03	4.199E	03	5.880E	03	7.00E-04	1.00E-04	1.00E-04	1.00E-04

TABLE XV. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ [illegible]

TABLE XV. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 2.232E 00 TO 2.865E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)			
	1.00E-03	2.00E-03	3.50E-03	1.50E-02
0	0	0	0	0
10	0	0	0	0
20	0	0	0	0
40	0	0	0	0
60	0	0	0	0
80	0	0	0	0
100	0	0	0	0
125	0	0	0	0
150	0	0	0	0
175	0	0	0	0
200	0	0	0	0
250	0	0	0	0
300	0	0	0	0
350	0	0	0	0
400	0	0	0	0
450	0	0	0	0
500	0	0	0	0
600	0	0	0	0
800	0	0	0	0
1000	0	0	0	0
1200	0	0	0	0
1500	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	3.492E 03	4.095E 03	4.199E 03	1.763E 03

TABLE XVI. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 2.865 TO 3.680 Mev

		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)											
		DELAY TIME (SEC)											
RADIAL DISTANCE INTERVAL (METERS)		0.0E-00			2.00E-07			3.00E-07			5.00E-07		
		2.00E-06			2.00E-06			1.00E-06			2.00E-06		
0.0	10.0	2.599E-01	2.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
20.0	20.0	7.700E-01	7.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
40.0	40.0	4.596E-01	4.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
60.0	60.0	5.900E-02	5.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
80.0	80.0	4.228E-02	4.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
100.0	100.0	6.915E-03	6.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
125.0	125.0	2.220E-03	2.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
150.0	150.0	6.220E-04	6.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
175.0	175.0	2.220E-04	2.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
200.0	200.0	6.220E-05	6.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
250.0	250.0	1.433E-04	1.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
300.0	300.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
350.0	350.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
400.0	400.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
450.0	450.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
500.0	500.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
600.0	600.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
800.0	800.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1000.0	1000.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1200.0	1200.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1500.0	1500.0	0.000E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
TOTAL ENERGY DEPOSITION/SEC		1.122E-06	6.018E-05	6.925E-05	9.271E-05	1.096E-06	8.290E-05	1.096E-06	8.290E-05	1.096E-06	8.290E-05	1.096E-06	8.290E-05

TABLE XVI. (Continued)  
 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$

		2.865E 00 TO 3.680E 00 MEV SECONDARY GAMMAS									
		DELAY TIME (SEC)									
RADIAL DISTANCE INTERVAL (METERS)		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05	
		3.00E-06	5.00E-06	3.00E-06	5.00E-06	3.00E-06	5.00E-06	3.00E-06	5.00E-06	3.00E-05	5.00E-05
0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		6.565E 05	6.036E 05	5.262E 05	1.979E 05	4.631E 04	1.675E 04	3.50E-05	5.00E-05	0.00E-05	0.00E-05

TABLE XVI. (Continued)

 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ [illegible]

TABLE XVI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

## 2.865E 00 TO 3.680E 00 MEV SECONDARY GAMMAS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)					
	1.00E-03	2.00E-03	3.50E-03	3.50E-03	1.50E-02	1.50E-02
0	0	0	0	0	0	0
10	0	0	0	0	0	0
20	0	0	0	0	0	0
40	0	0	0	0	0	0
60	0	0	0	0	0	0
80	0	0	0	0	0	0
100	0	0	0	0	0	0
125	0	0	0	0	0	0
150	0	0	0	0	0	0
175	0	0	0	0	0	0
200	0	0	0	0	0	0
250	0	0	0	0	0	0
300	0	0	0	0	0	0
350	0	0	0	0	0	0
400	0	0	0	0	0	0
450	0	0	0	0	0	0
500	0	0	0	0	0	0
600	0	0	0	0	0	0
800	0	0	0	0	0	0
1000	0	0	0	0	0	0
1200	0	0	0	0	0	0
1500	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC	3.371E 03	2.893E 03	3.036E 03	1.508E 03	1.508E 03	1.508E 03

TABLE XVII. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 3.680 TO 6.070 Mev

		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)											
		DELAY TIME (SEC)											
RADIAL DISTANCE INTERVAL (METERS)		0.0E-00 - 2.00E-07			3.00E-07 - 5.00E-07			1.00E-06 - 2.00E-06			2.00E-06 - 3.00E-06		
		0.0E-00	2.00E-07	3.00E-07	0.0E-00	2.00E-07	3.00E-07	0.0E-00	2.00E-07	3.00E-07	0.0E-00	2.00E-06	3.00E-06
10.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.320E-06	0.00E+00
20.0	0	7.470E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.300E-06	0.00E+00
40.0	0	3.804E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.050E-06	0.00E+00
60.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.104E-06	0.00E+00
80.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.626E-06	0.00E+00
100.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.289E-06	0.00E+00
125.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.902E-06	0.00E+00
150.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.865E-06	0.00E+00
175.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.255E-06	0.00E+00
200.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.000E-06	0.00E+00
250.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.998E-06	0.00E+00
300.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.426E-05	0.00E+00
350.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.998E-05	0.00E+00
400.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.845E-05	0.00E+00
450.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.974E-05	0.00E+00
500.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.513E-05	0.00E+00
600.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.976E-05	0.00E+00
800.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.456E-04	0.00E+00
1000.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.157E-04	0.00E+00
1200.0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.461E-04	0.00E+00
TOTAL ENERGY DEPOSITION/SEC		1.813E-07	3.600E-07	2.532E-07	2.092E-07	2.308E-07	2.452E-07	2.308E-07	2.308E-07	2.308E-07	2.308E-07	2.308E-07	2.452E-07

TABLE XVII. (Continued)  
(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		DELAY TIME (SEC)		1.00E-05		2.00E-05		3.50E-05	
INTERVAL (METERS)		7.00E-06		1.00E-06		1.00E-05		5.00E-05	
0		0		0		0		0	
10		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
20		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
40		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
60		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
80		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
100		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
125		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
150		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
175		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
200		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
250		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
300		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
350		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
400		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
450		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
500		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
600		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
800		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
1000		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
1200		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
1500		1.00E-06		1.00E-06		1.00E-06		1.00E-06	
TOTAL ENERGY DEPOSITION/SEC		1.536E 07		1.206E 07		5.278E 06		2.692E 05	

TABLE XVII. (Continued)

		3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS									
		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)									
RADIAL DISTANCE INTERVAL (METERS)		DELAY TIME (SEC)									
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	4.00E-03	7.00E-03
0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	100	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	125	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	150	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	175	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	250	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	300	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	350	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	400	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	450	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	500	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	600	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	800	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	1000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	1200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL ENERGY DEPOSITION/SEC		2.348E 04	5.842E 03	2.552E 03	4.036E 03	1.052E 03	2.284E 03	1.052E 03	2.284E 03	1.052E 03	2.284E 03

TABLE XVII. (Continued)

 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ 

3.680E 00 TO 6.070E 00 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		1.00E-03		2.00E-03		3.50E-03		3.50E-03	
INTERVAL (METERS)		1.00E-03		2.00E-03		3.50E-03		3.50E-03	
0	10.000000	0	0	0	0	0	0	0	0
10.00	20.000000	0	0	0	0	0	0	0	0
20.00	40.000000	2	0.457E-06	0	0	0	0	0	0
40.00	60.000000	1	0.000000	0	0	0	0	0	0
60.00	80.000000	1	1.199E-06	0	0	0	0	0	0
80.00	100.000000	0	0.000000	0	0	0	0	0	0
100.00	125.000000	0	0.000000	0	0	0	0	0	0
125.00	150.000000	0	0.000000	0	0	0	0	0	0
150.00	175.000000	0	0.000000	0	0	0	0	0	0
175.00	200.000000	9	8.350E-06	0	0	0	0	0	0
200.00	225.000000	8	3.903E-06	0	0	0	0	0	0
225.00	250.000000	3	2.676E-07	0	0	0	0	0	0
250.00	275.000000	3	8.207E-07	0	0	0	0	0	0
275.00	300.000000	6	8.350E-07	0	0	0	0	0	0
300.00	325.000000	5	9.100E-07	0	0	0	0	0	0
325.00	350.000000	1	5.271E-08	0	0	0	0	0	0
350.00	375.000000	2	2.950E-08	0	0	0	0	0	0
375.00	400.000000	1	9.45E-08	0	0	0	0	0	0
400.00	425.000000	1	9.45E-08	0	0	0	0	0	0
425.00	450.000000	0	0.000000	0	0	0	0	0	0
450.00	475.000000	0	0.000000	0	0	0	0	0	0
475.00	500.000000	0	0.000000	0	0	0	0	0	0
500.00	525.000000	0	0.000000	0	0	0	0	0	0
525.00	550.000000	0	0.000000	0	0	0	0	0	0
550.00	575.000000	0	0.000000	0	0	0	0	0	0
575.00	600.000000	0	0.000000	0	0	0	0	0	0
600.00	625.000000	0	0.000000	0	0	0	0	0	0
625.00	650.000000	0	0.000000	0	0	0	0	0	0
650.00	675.000000	0	0.000000	0	0	0	0	0	0
675.00	700.000000	0	0.000000	0	0	0	0	0	0
700.00	725.000000	0	0.000000	0	0	0	0	0	0
725.00	750.000000	0	0.000000	0	0	0	0	0	0
750.00	775.000000	0	0.000000	0	0	0	0	0	0
775.00	800.000000	0	0.000000	0	0	0	0	0	0
800.00	825.000000	0	0.000000	0	0	0	0	0	0
825.00	850.000000	0	0.000000	0	0	0	0	0	0
850.00	875.000000	0	0.000000	0	0	0	0	0	0
875.00	900.000000	0	0.000000	0	0	0	0	0	0
900.00	925.000000	0	0.000000	0	0	0	0	0	0
925.00	950.000000	0	0.000000	0					

TABLE XVIII.  
TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS  
RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING  
UNIFORMLY IN THE ENERGY INTERVAL FROM 6.070 TO 7.790 Mev

[illegible]



TABLE XVIII. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

6.070E 00 TO 7.790E 00 MEV SECONDARY GAMMAS																							
		DELAY TIME (SEC)																					
		5.00E-05		7.00E-05		1.00E-04		1.00E-04		2.00E-04		2.00E-04		4.00E-04		4.00E-04		7.00E-04		7.00E-04		1.00E-03	
RADIAL DISTANCE		7.00E-05		1.00E-05		1.00E-04		2.00E-04		2.00E-04		4.00E-04		4.00E-04		7.00E-04		7.00E-04		1.00E-03		1.00E-03	
INTERVAL (METERS)		7.00E-05		1.00E-05		1.00E-04		2.00E-04		2.00E-04		4.00E-04		4.00E-04		7.00E-04		7.00E-04		1.00E-03		1.00E-03	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
40	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
80	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
125	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
150	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
175	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
200	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
250	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
350	350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
400	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
450	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
500	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
600	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
800	800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1000	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1200	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL ENERGY DEPOSITION/SEC		1.472E	05	1.042E	04	1.889E	03	2.089E	03	1.906E	03	2.965E	03	2.965E	03	2.965E	03	2.965E	03	2.965E	03	2.965E	03

TABLE XVIII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	6.070E 00 TO 7.790E 00 MEV SECONDARY GAMMAS					
	1.00E-03	2.00E-03	3.50E-03	3.50E-03	1.50E-02	1.50E-02
0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL ENERGY DEPOSITION/SEC	2.031E 03	2.443E 03	1.575E 03	8.773E 02	1.575E 03	8.773E 02

TABLE XIX.  
TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS  
RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING  
UNIFORMLY IN THE ENERGY INTERVAL FROM 7.790 TO 10.0 Mev

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

RADIAL DISTANCE		INTERVAL (METERS)		DELAY TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC	
10	0.000000	0.000000	0.000000	0.00E-07	0.00E-07	2.287E	08
20	0.000000	0.000000	0.000000	2.00E-07	2.00E-07	8.931E	07
40	0.000000	0.000000	0.000000	3.00E-07	3.00E-07	2.234E	08
60	0.000000	0.000000	0.000000	5.00E-07	5.00E-07	2.011E	08
80	0.000000	0.000000	0.000000	1.00E-06	1.00E-06	2.211E	08
100	0.000000	0.000000	0.000000	2.00E-06	2.00E-06	2.001E	08
120	0.000000	0.000000	0.000000	3.00E-06	3.00E-06	2.001E	08
140	0.000000	0.000000	0.000000	4.00E-06	4.00E-06	2.001E	08
160	0.000000	0.000000	0.000000	5.00E-06	5.00E-06	2.001E	08
180	0.000000	0.000000	0.000000	6.00E-06	6.00E-06	2.001E	08
200	0.000000	0.000000	0.000000	7.00E-06	7.00E-06	2.001E	08
220	0.000000	0.000000	0.000000	8.00E-06	8.00E-06	2.001E	08
240	0.000000	0.000000	0.000000	9.00E-06	9.00E-06	2.001E	08
260	0.000000	0.000000	0.000000	1.00E-05	1.00E-05	2.001E	08
280	0.000000	0.000000	0.000000	1.20E-05	1.20E-05	2.001E	08
300	0.000000	0.000000	0.000000	1.40E-05	1.40E-05	2.001E	08
320	0.000000	0.000000	0.000000	1.60E-05	1.60E-05	2.001E	08
340	0.000000	0.000000	0.000000	1.80E-05	1.80E-05	2.001E	08
360	0.000000	0.000000	0.000000	2.00E-05	2.00E-05	2.001E	08
380	0.000000	0.000000	0.000000	2.20E-05	2.20E-05	2.001E	08
400	0.000000	0.000000	0.000000	2.40E-05	2.40E-05	2.001E	08
420	0.000000	0.000000	0.000000	2.60E-05	2.60E-05	2.001E	08
440	0.000000	0.000000	0.000000	2.80E-05	2.80E-05	2.001E	08
460	0.000000	0.000000	0.000000	3.00E-05	3.00E-05	2.001E	08
480	0.000000	0.000000	0.000000	3.20E-05	3.20E-05	2.001E	08
500	0.000000	0.000000	0.000000	3.40E-05	3.40E-05	2.001E	08
520	0.000000	0.000000	0.000000	3.60E-05	3.60E-05	2.001E	08
540	0.000000	0.000000	0.000000	3.80E-05	3.80E-05	2.001E	08
560	0.000000	0.000000	0.000000	4.00E-05	4.00E-05	2.001E	08
580	0.000000	0.000000	0.000000	4.20E-05	4.20E-05	2.001E	08
600	0.000000	0.000000	0.000000	4.40E-05	4.40E-05	2.001E	08
620	0.000000	0.000000	0.000000	4.60E-05	4.60E-05	2.001E	08
640	0.000000	0.000000	0.000000	4.80E-05	4.80E-05	2.001E	08
660	0.000000	0.000000	0.000000	5.00E-05	5.00E-05	2.001E	08
680	0.000000	0.000000	0.000000	5.20E-05	5.20E-05	2.001E	08
700	0.000000	0.000000	0.000000	5.40E-05	5.40E-05	2.001E	08
720	0.000000	0.000000	0.000000	5.60E-05	5.60E-05	2.001E	08
740	0.000000	0.000000	0.000000	5.80E-05	5.80E-05	2.001E	08

TABLE XIX. (Continued)  
(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

[illegible]

TABLE XIX. (Continued)  
 (keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

		7.790E 00 TO 1.000E 01 MEV SECONDARY GAMMAS									
		DELAY TIME (SEC)		1.00E-04		2.00E-04		4.00E-04		7.00E-04	
RADIAL DISTANCE INTERVAL (METERS)		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04	
		7.00E-05	5.00E-05	7.00E-05	5.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-04	7.00E-04
0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0
1500	1500	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		3.423E 05	1.653E 04	1.174E 03	3.112E 03	2.564E 03	3.293E 03	2.285E 03	1.925E 03	1.653E 03	1.423E 03

TABLE XIX. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

		7.790E 00 TO 1.000E 01 MEV SECONDARY GAMMAS									
		DELAY TIME (SEC)									
RADIAL DISTANCE INTERVAL (METERS)		1.00E-03 - 2.00E-03		2.00E-03 - 3.50E-03		3.50E-03 - 1.50E-02		1.50E-02 - 1.50E-02		1.50E-02 - 1.00E-01	
		10.0	20.0	40.0	60.0	80.0	100.0	125.0	150.0	175.0	200.0
0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		2.011E 03	1.794E 03	1.711E 03	9.420E 02	1.794E 03	1.711E 03	9.420E 02	1.794E 03	1.711E 03	9.420E 02

TABLE XX. TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS  
RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING  
UNIFORMLY IN THE ENERGY INTERVAL FROM 10.0 TO 12.0 Mev

		(keV m <sup>-3</sup> sec <sup>-1</sup> /source neutron)											
		DELAY TIME (SEC)											
RADIAL DISTANCE INTERVAL (METERS)		.00E 00 - 2.00E-07			3.00E-07 - 5.00E-07			1.00E-06 - 2.00E-06			2.00E-06 - 3.00E-06		
		00E 00	2.00E-07	3.00E-07	00E 00	3.00E-07	5.00E-07	00E 00	1.00E-06	2.00E-06	00E 00	2.00E-06	3.00E-06
0	0	00E 00	00	00E 00	00E 00	00E 00	00	00E 00	00	00E 00	00E 00	00E 00	00E 00
10	10.0	.030E 02	00	.411E 03	.840E 02	1.626E 02	8	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20	20.0	1.839E 01	00	1.083E 02	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40	40.0	1.481E 01	00	1.505E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60	60.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80	80.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100	100.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125	125.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150	150.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175	175.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200	200.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250	250.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300	300.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350	350.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400	400.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450	450.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500	500.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600	600.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800	800.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000	1000.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200	1200.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1500	1500.0	1.551E 01	00	1.790E 01	1.626E 02	1.626E 02	1	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC		3.563E 08	4.896E 08	4.199E 08	4.200E 08	4.200E 08	4.200E 08	3.728E 08	3.405E 08	3.405E 08	3.405E 08	3.405E 08	3.405E 08

TABLE XX. (Continued)  
 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$

		1.000E 01 TO 1.200E 01 MEV SECONDARY GAMMAS									
		DELAY TIME (SEC)									
RADIAL DISTANCE INTERVAL (METERS)		3.00E-06 - 5.00E-06									
		10.00	20.00	40.00	60.00	80.00	100.00	125.00	150.00	175.00	200.00
0.00	0.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
10.00	10.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
20.00	20.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
40.00	40.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
60.00	60.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
80.00	80.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
100.00	100.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
125.00	125.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
150.00	150.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
175.00	175.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
200.00	200.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
250.00	250.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
300.00	300.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
350.00	350.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
400.00	400.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
450.00	450.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
500.00	500.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
600.00	600.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
800.00	800.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
1000.00	1000.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
1200.00	1200.00	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06	0.00E-06
TOTAL ENERGY DEPOSITION/SEC		2.387E 08	2.353E 08	1.330E 08	7.156E 07	1.174E 07	1.547E 06	3.50E-05	5.00E-05	0.00E-05	0.00E-05

$(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

1.000E 01 TO 1.200E 01 MEV SECONDARY GAMMAS												
RADIAL DISTANCE		DELAY TIME (SEC)										
INTERVAL (METERS)		5.00E-05	7.00E-05	1.00E-04	1.00E-04	2.00E-04	2.00E-04	4.00E-04	4.00E-04	7.00E-04	7.00E-04	1.00E-03
0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0	0	0	0
20	20	0	0	0	0	0	0	0	0	0	0	0
40	40	0	0	0	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0	0	0	0
80	80	0	0	0	0	0	0	0	0	0	0	0
100	100	0	0	0	0	0	0	0	0	0	0	0
125	125	0	0	0	0	0	0	0	0	0	0	0
150	150	0	0	0	0	0	0	0	0	0	0	0
175	175	0	0	0	0	0	0	0	0	0	0	0
200	200	0	0	0	0	0	0	0	0	0	0	0
225	225	0	0	0	0	0	0	0	0	0	0	0
250	250	0	0	0	0	0	0	0	0	0	0	0
275	275	0	0	0	0	0	0	0	0	0	0	0
300	300	0	0	0	0	0	0	0	0	0	0	0
325	325	0	0	0	0	0	0	0	0	0	0	0
350	350	0	0	0	0	0	0	0	0	0	0	0
375	375	0	0	0	0	0	0	0	0	0	0	0
400	400	0	0	0	0	0	0	0	0	0	0	0
425	425	0	0	0	0	0	0	0	0	0	0	0
450	450	0	0	0	0	0	0	0	0	0	0	0
475	475	0	0	0	0	0	0	0	0	0	0	0
500	500	0	0	0	0	0	0	0	0	0	0	0
525	525	0	0	0	0	0	0	0	0	0	0	0
550	550	0	0	0	0	0	0	0	0	0	0	0
575	575	0	0	0	0	0	0	0	0	0	0	0
600	600	0	0	0	0	0	0	0	0	0	0	0
625	625	0	0	0	0	0	0	0	0	0	0	0
650	650	0	0	0	0	0	0	0	0	0	0	0
675	675	0	0	0	0	0	0	0	0	0	0	0
700	700	0	0	0	0	0	0	0	0	0	0	0
725	725	0	0	0	0	0	0	0	0	0	0	0
750	750	0	0	0	0	0	0	0	0	0	0	0
775	775	0	0	0	0	0	0	0	0	0	0	0
800	800	0	0	0	0	0	0	0	0	0	0	0
825	825	0	0	0	0	0	0	0	0	0	0	0
850	850	0	0	0	0	0	0	0	0	0	0	0
875	875	0	0	0	0	0	0	0	0	0	0	0
900	900	0	0	0	0	0	0	0	0	0	0	0
925	925	0	0	0	0	0	0	0	0	0	0	0
950	950	0	0	0	0	0	0	0	0	0	0	0
975	975	0	0	0	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0	0	0	0
1200	1200	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		1.820E 05	1.911E 04	1.795E 03	1.953E 03	3.85E 03	1.567E 03					

TABLE XX. (Continued)

(kev m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

		1.00E 01 TO 1.200E 01 MEV SECONDARY GAMMAS									
		DELAY TIME (SEC)									
RADIAL DISTANCE INTERVAL (METERS)		1.00E-03 - 2.00E-03		2.00E-03 - 3.50E-03		3.50E-03 - 1.50E-02		1.50E-02 - 1.50E-02		1.50E-02 - 1.00E-01	
		1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03
0	0	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
10	10	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
20	20	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
40	40	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
60	60	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
80	80	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
100	100	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
125	125	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
150	150	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
175	175	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
200	200	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
250	250	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
300	300	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
350	350	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
400	400	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
450	450	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
500	500	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
600	600	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
800	800	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
1000	1000	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
1200	1200	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
1500	1500	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03	000E-03
TOTAL ENERGY DEPOSITION/SEC		2.521E 03	2.441E 03	2.441E 03	2.441E 03	2.050E 03	2.050E 03	2.050E 03	2.050E 03	9.666E 02	9.666E 02

[illegible]

TABLE XXI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		DELAY TIME (SEC)		1.00E-05		2.00E-05		3.00E-05	
INTERVAL (METERS)		3.00E-06		5.00E-06		7.00E-06		1.00E-05	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.00	125.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.00	175.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.00	225.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275.00	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325.00	325.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1200.00	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL ENERGY DEPOSITION/SEC		2.780E 08	2.147E 08	1.474E 08	5.372E 07	8.412E 06	9.940E 05	9.940E 05	9.940E 05

TABLE XXI. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

		1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS											
		DELAY TIME (SEC)											
RADIAL DISTANCE INTERVAL (METERS)		5.00E-05 - 7.00E-05				1.00E-04 - 2.00E-04				2.00E-04 - 4.00E-04			
		0	10	20	40	0	10	20	40	0	10	20	40
0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		1.240E 05	6.895E 03	1.292E 03	1.784E 03	3.268E 03	9.257E 02	3.921E 00	6.526E 00	1.00E 04	7.00E 04	1.00E 03	0.00E 00

TABLE XXI. (Continued)

 $(\text{keV m}^{-3} \text{ sec}^{-1} / \text{source neutron})$ 

1.200E 01 TO 1.350E 01 MEV SECONDARY GAMMAS									
RADIAL DISTANCE		1.00E-03		2.00E-03		3.50E-03		1.50E-02	
INTERVAL (METERS)		2.00E-03		3.50E-03		1.50E-03		1.00E-01	
		1.00E-03		2.00E-03		3.50E-03		1.50E-02	
		1.00E-03		2.00E-03		3.50E-03		1.50E-02	
0	0	0	0	0	0	0	0	0	0
10	10	0	0	0	0	0	0	0	0
40	1240	0	0	0	0	0	0	0	0
60	60	0	0	0	0	0	0	0	0
80	100	0	0	0	0	0	0	0	0
100	1125	0	0	0	0	0	0	0	0
125	1175	0	0	0	0	0	0	0	0
150	1225	0	0	0	0	0	0	0	0
175	1275	0	0	0	0	0	0	0	0
200	1325	0	0	0	0	0	0	0	0
225	1375	0	0	0	0	0	0	0	0
250	1425	0	0	0	0	0	0	0	0
275	1475	0	0	0	0	0	0	0	0
300	1500	0	0	0	0	0	0	0	0
325	1550	0	0	0	0	0	0	0	0
350	1600	0	0	0	0	0	0	0	0
400	1700	0	0	0	0	0	0	0	0
450	1800	0	0	0	0	0	0	0	0
500	2000	0	0	0	0	0	0	0	0
600	1000	0	0	0	0	0	0	0	0
800	1000	0	0	0	0	0	0	0	0
1000	1000	0	0	0	0	0	0	0	0
1200	1500	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		1.458E 03	1.844E 03	1.844E 03	1.664E 03	8.476E 02	1.626E 01	1.626E 01	1.626E 01

TABLE XXII.  
TIME-DEPENDENT SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS  
RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING  
UNIFORMLY IN THE ENERGY INTERVAL FROM 13.5 TO 15.0

RADIATION DISTANCE		RADIATION INTERVAL (METERS)		DELAY TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC	
00E 00 -	2.00E-07	00E 00 -	2.00E-07	00E 00 -	2.00E-07	00E 00 -	2.00E-07
10.0	1.0	10.0	1.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
20.0	2.0	20.0	2.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
40.0	4.0	40.0	4.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
60.0	6.0	60.0	6.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
80.0	8.0	80.0	8.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
100.0	10.0	100.0	10.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
120.0	12.0	120.0	12.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
140.0	14.0	140.0	14.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
160.0	16.0	160.0	16.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
180.0	18.0	180.0	18.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
200.0	20.0	200.0	20.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
220.0	22.0	220.0	22.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
240.0	24.0	240.0	24.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
260.0	26.0	260.0	26.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
280.0	28.0	280.0	28.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
300.0	30.0	300.0	30.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
320.0	32.0	320.0	32.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
340.0	34.0	340.0	34.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
360.0	36.0	360.0	36.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
380.0	38.0	380.0	38.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
400.0	40.0	400.0	40.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
420.0	42.0	420.0	42.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
440.0	44.0	440.0	44.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
460.0	46.0	460.0	46.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
480.0	48.0	480.0	48.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
500.0	50.0	500.0	50.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
520.0	52.0	520.0	52.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
540.0	54.0	540.0	54.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
560.0	56.0	560.0	56.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
580.0	58.0	580.0	58.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
600.0	60.0	600.0	60.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
620.0	62.0	620.0	62.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
640.0	64.0	640.0	64.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
660.0	66.0	660.0	66.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
680.0	68.0	680.0	68.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
700.0	70.0	700.0	70.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
720.0	72.0	720.0	72.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
740.0	74.0	740.0	74.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
760.0	76.0	760.0	76.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
780.0	78.0	780.0	78.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
800.0	80.0	800.0	80.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
820.0	82.0	820.0	82.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
840.0	84.0	840.0	84.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
860.0	86.0	860.0	86.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
880.0	88.0	880.0	88.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
900.0	90.0	900.0	90.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
920.0	92.0	920.0	92.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
940.0	94.0	940.0	94.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
960.0	96.0	960.0	96.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
980.0	98.0	980.0	98.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07
1000.0	100.0	1000.0	100.0	00E 00 -	2.00E-07	00E 00 -	2.00E-07

TABLE XXII. (Continued)

(keV m<sup>-3</sup> sec<sup>-1</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		1.350E 01 TO 1.500E 01 MEV SECONDARY GAMMAS DELAY TIME (SEC)												TOTAL ENERGY DEPOSITION/SEC	
		3.00E-06	5.00E-06	7.00E-06	1.00E-06	7.00E-06	1.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05	7.00E-05	1.00E-04	2.00E-04	3.50E-04
0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	10	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00	0.26E+00
20	20	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00	0.40E+00
40	40	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00	0.82E+00
60	60	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
80	80	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
100	100	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
125	125	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
150	150	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
175	175	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
200	200	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
250	250	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
300	300	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
350	350	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
400	400	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
450	450	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
500	500	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
600	600	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
800	800	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
1000	1000	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
1200	1200	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00	0.33E+00
TOTAL ENERGY DEPOSITION/SEC		2.481E 08	1.720E 08	1.308E 08	4.895E 07	8.663E 06	7.443E 05	5.00E-05	3.50E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05

$(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ [illegible]

TABLE XXII. (Continued)

 $(\text{keV m}^{-3} \text{sec}^{-1} / \text{source neutron})$ 

1.350E 01 TO 1.500E 01 MEV SECONDARY GAMMAS	
DELAY TIME (SEC)	
RAPID DISTANCE	
INTERVAL (METERS)	1.00E-03 2.00E-03 3.50E-03 1.50E-02 1.00E-01
0	0 0 0 0 0
10	0 0 0 0 0
20	0 0 0 0 0
40	0 0 0 0 0
60	0 0 0 0 0
80	0 0 0 0 0
100	0 0 0 0 0
125	0 0 0 0 0
150	0 0 0 0 0
175	0 0 0 0 0
200	0 0 0 0 0
225	0 0 0 0 0
250	0 0 0 0 0
275	0 0 0 0 0
300	0 0 0 0 0
325	0 0 0 0 0
350	0 0 0 0 0
400	0 0 0 0 0
450	0 0 0 0 0
500	0 0 0 0 0
600	0 0 0 0 0
800	0 0 0 0 0
1000	0 0 0 0 0
1200	0 0 0 0 0
TOTAL ENERGY DEPOSITION/SEC	1.99E 03 2.313E 03 2.208E 03 9.709E 02

TABLE XXIII.  
SECONDARY GAMMA-RAY ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE AND NEUTRON SOURCE ENERGY INTERVAL FOR POINT ISOTROPIC NEUTRON SOURCES

 $(\text{keV m}^{-3}/\text{source neutron})$ [illegible]

TABLE XXII. (Continued)  
( $\text{keV m}^{-3}/\text{source neutron}$ )

RADIAL DISTANCE INTERVAL (METERS)	SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV)									
	3.03E-01	5.00E-01	8.23E-01	1.35E-01	1.73E-00	2.23E-00	2.23E-00	2.23E-00	2.23E-00	2.23E-00
0.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
10.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
20.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
40.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
60.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
80.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
100.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
125.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
150.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
175.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
200.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
225.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
250.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
300.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
350.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
400.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
450.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
500.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
600.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
800.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1000.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1200.0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
TOTAL	3.347E 02	3.287E 02	3.144E 02	2.811E 02	2.570E 02	2.128E 02	2.128E 02	2.128E 02	2.128E 02	2.128E 02

TABLE XXIII. (Continued)

(keV m<sup>-3</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV)									
	2.865E 00 - 3.680E 00	3.680E 00 - 6.070E 00	6.070E 00 - 7.790E 00	7.790E 00 - 1.000E 01	1.000E 01 - 1.200E 01	1.200E 01 - 1.350E 01	1.350E 01 - 1.500E 01	1.500E 01 - 1.750E 01	1.750E 01 - 2.000E 01	TOTAL
0 - 10.0	5.195E-06	6.320E-06	3.930E-04	1.000E-04	0.000E-00	0.000E-00	0.000E-00	0.000E-00	0.000E-00	5.195E-06
10.0 - 20.0	3.435E-07	1.680E-06	3.930E-05	1.300E-05	4.960E-05	1.310E-04	3.410E-04	1.170E-04	3.410E-04	3.435E-07
20.0 - 40.0	4.744E-07	1.380E-06	3.360E-05	8.360E-05	1.430E-04	1.820E-04	1.130E-04	1.130E-04	1.130E-04	4.744E-07
40.0 - 60.0	3.176E-07	9.150E-06	2.470E-05	4.700E-05	1.100E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	3.176E-07
60.0 - 80.0	2.739E-07	5.840E-06	5.480E-05	5.480E-05	1.070E-04	1.200E-04	7.200E-05	7.200E-05	7.200E-05	2.739E-07
80.0 - 100.0	2.806E-07	1.320E-06	8.810E-05	8.810E-05	1.170E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	2.806E-07
100.0 - 125.0	2.106E-07	1.170E-06	3.860E-05	3.860E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	2.106E-07
125.0 - 150.0	1.656E-07	1.370E-06	4.400E-05	4.400E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.656E-07
150.0 - 175.0	1.212E-07	1.520E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.212E-07
175.0 - 200.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
200.0 - 250.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
250.0 - 300.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
300.0 - 350.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
350.0 - 400.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
400.0 - 450.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
450.0 - 500.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
500.0 - 600.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
600.0 - 800.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
800.0 - 1000.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
1000.0 - 1200.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
1200.0 - 1500.0	1.110E-07	1.700E-06	2.620E-05	2.620E-05	1.140E-04	1.340E-04	8.200E-05	8.200E-05	8.200E-05	1.110E-07
TOTAL	1.841E 02	3.500E 02	1.379E 03	2.653E 03	3.508E 03	3.374E 03	3.374E 03	3.374E 03	3.374E 03	1.841E 02

TABLE XXIII. (Continued)  
(keV m<sup>-3</sup>/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		SECONDARY GAMMAS SOURCE ENERGY BOUNDS (MEV)	
		1.35E 01	1.50E 01
0.0	0.0	3.205E-04	4
10.0	10.0	2.090E-04	4
20.0	20.0	1.252E-04	4
40.0	40.0	6.680E-05	5
60.0	60.0	4.692E-05	5
80.0	80.0	2.206E-05	5
100.0	100.0	2.774E-05	5
125.0	125.0	1.221E-05	5
150.0	150.0	1.145E-05	6
175.0	175.0	7.180E-06	6
200.0	200.0	6.101E-06	6
250.0	250.0	3.161E-06	6
300.0	300.0	2.750E-06	6
350.0	350.0	1.750E-06	7
400.0	400.0	1.358E-06	7
450.0	450.0	1.249E-07	7
500.0	500.0	1.229E-08	8
600.0	600.0	1.659E-08	
800.0	800.0		
1000.0	1000.0		
1200.0	1200.0		
TOTAL		3.212E 03	

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